

PAT-NO: JP410000185A
DOCUMENT-IDENTIFIER: JP 10000185 A
TITLE: DIAGNOSING DEVICE FOR FAILURE IN BODY FLUID
PUBN-DATE: January 6, 1998

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APPL-NO: JP08155622

APPL-DATE: June 17, 1996

INT-CL (IPC): A61B005/05, G01R027/02 , G01R027/22

ABSTRACT:

PROBLEM TO BE SOLVED: To measure accurately a failure in an extra-cell liquid such as edema.

SOLUTION: A signal output circuit 5 feeds a probe current I_a of multi-frequency to the body of a testee, while a current sensing circuit 6 senses the probe current I_a flowing through the body for each frequency, and a voltage sensing circuit 7 senses the voltage V_p between the hands and feet of the testee for each frequency. A CPU 10 measures the vital organism impedance on the basis of the obtained current I_a and voltage V_p and calculates the ratio in quantity of the intra-cell liquid to the extra-cell liquid in the body of the

testee on the basis of the measured impedance. The obtained ratio is subjected to comparison with the reference value which was preset and registered (the ratio in quantity of the intra-cell liquid to the extra-cell liquid in a healthy person in normal condition) to serve for judgement whether it is edema or the like, and the result from judgement is displayed on a screen along with a message that edema exists or that the body liquid of testee is normal.

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